



8700 E. Thomas Road  
Scottsdale, AZ 85251  
Tel: (480) 941-6300  
Fax (480) 947-1503

# MAD1108

## Switching Diode Array



### FEATURES

- 8 Diode Array
- Standard 16 pin Dual-In-Line Package
- UL 94V-0 Flammability Classification

### MECHANICAL

- Molded 16 Pin Dip
- Weight: 1.026 grams (approximate)
- Marking: Logo, device number, date code
- Pin #1 defined by DOT on top of package

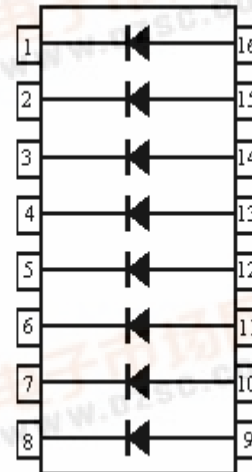
### MAXIMUM RATINGS

- Operating Temperatures: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Forward Surge Current: 2.0 Amps (8.3 mS)
- Minimum Breakdown Voltage  $V_{(BR)}$ : 90V
- Working Peak Reverse Voltage  $V_{RWM}$ : 75V
- Continuous forward current  $I_F$ : 400 mA
- Power dissipation ( $P_D$ ): 500 mW
- Derating factor: 4.0 mW/°C

### PACKAGING

- Carrier tube 25 pcs per (STANDARD)

### CIRCUIT DIAGRAM



### ELECTRICAL CHARACTERISTICS @ 25°C Unless otherwise specified

Part Number	$V_{(BR)}$ @100 $\mu$ A V	$V_{RWM}$ V	$I_R$ +25°C $\mu$ A		$I_R$ +150°C $\mu$ A		CAP @0V pF	$t_{rr}$ (nS)	$V_F$ @ $I_f = 10$ mA V	$V_F$ @ $I_f = 100$ mA V
	MIN	MAX	MAX	@ $V_R$	MAX	@ $V_R$	MAX	MAX	MAX	MAX
MAD1108	90	75	.200	20	.300	20	4.0	5.0	1.00	1.20

